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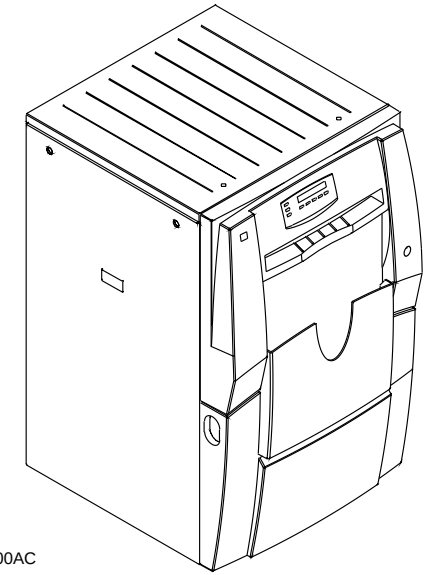
HEALTH IMAGING

PREVENTIVE MAINTENANCE
for the
Kodak X-Omat MULTILOADER 7000
Service Code: 3444

Important
Qualified service personnel must do these procedures.



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This equipment includes parts and assemblies sensitive to damage from electrostatic discharge. Use caution to prevent damage during all service procedures.

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Section 1: Special Requirements

Frequency of PM

Do the preventive maintenance procedures a minimum of once every 6 months. If possible, do the PM for the MULTILOADER when you do a PM for the PROCESSOR. It should take approximately 2 hours to complete the PM for the MULTILOADER.

Prerequisites

[1] Discuss equipment operation with the customer or the Department Administration.

[2] Ask for a sample of any problem films. Check the films for artifacts.

Warning

Dangerous Voltage

[3] Remove:

- TOP COVER
- BACK PANEL
- 2 SIDE PANELS

Caution

Prevent fog on customer films.

[4] Remove all FILM MAGAZINES.

[5] Check that all “Type 1 Required” modifications are installed.

Important

Using the “SERVICE SOFTWARE” for the MULTILOADER to review error history is the most important requirement of the preventive maintenance procedures.

[6] Using the “SERVICE SOFTWARE”:

(a) Review:

- “MALFUNCTIONS OF XML7000”
- “ERROR STATISTICS OF XML7000”

(b) Compare the error codes with problems or artifacts indicated by the customer.

(c) Use the “Error Code Description” to identify the problem causes and do the corresponding actions.

Note

Some error codes might be caused by the customer.

Section 2: Cleaning Areas of the MULTILOADER

Cleaning Materials

The materials necessary to do the maintenance procedures include:

TOOL	Description
------	LINT-FREE CLOTH
1C8050	PLASTIC GREASE No. 2 with MOLY
1C8041	SYNTHETIC GREASE

Parts Requirements

Necessary parts include:

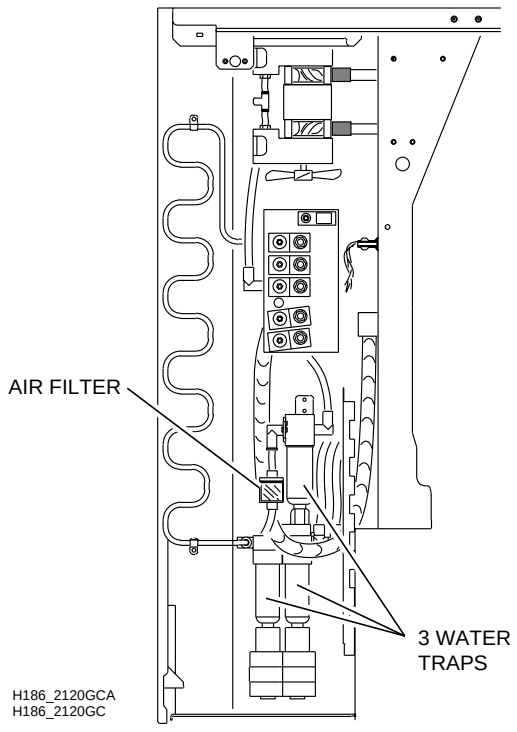
Part No.	Description
9186886	AIR FILTER
9187856	AIR FILTER

General Cleaning

[1] For each area of the MULTILOADER:

- **(a)** Vacuum any dust and debris.
- **(b)** Clean all MIRRORS and OPTICAL SENSORS. Use a soft LINT-FREE CLOTH.
- **(c)** Check for any wires that have damage or are disconnected.
- **(d)** Check ROLLERS, BELTS, and GEARS for wear or damage. If necessary, install new parts.
- **(e)** Check for any parts not installed on the MULTILOADER. If necessary, install new parts.

Pneumatics



[1] Install a new AIR FILTER 9186886.

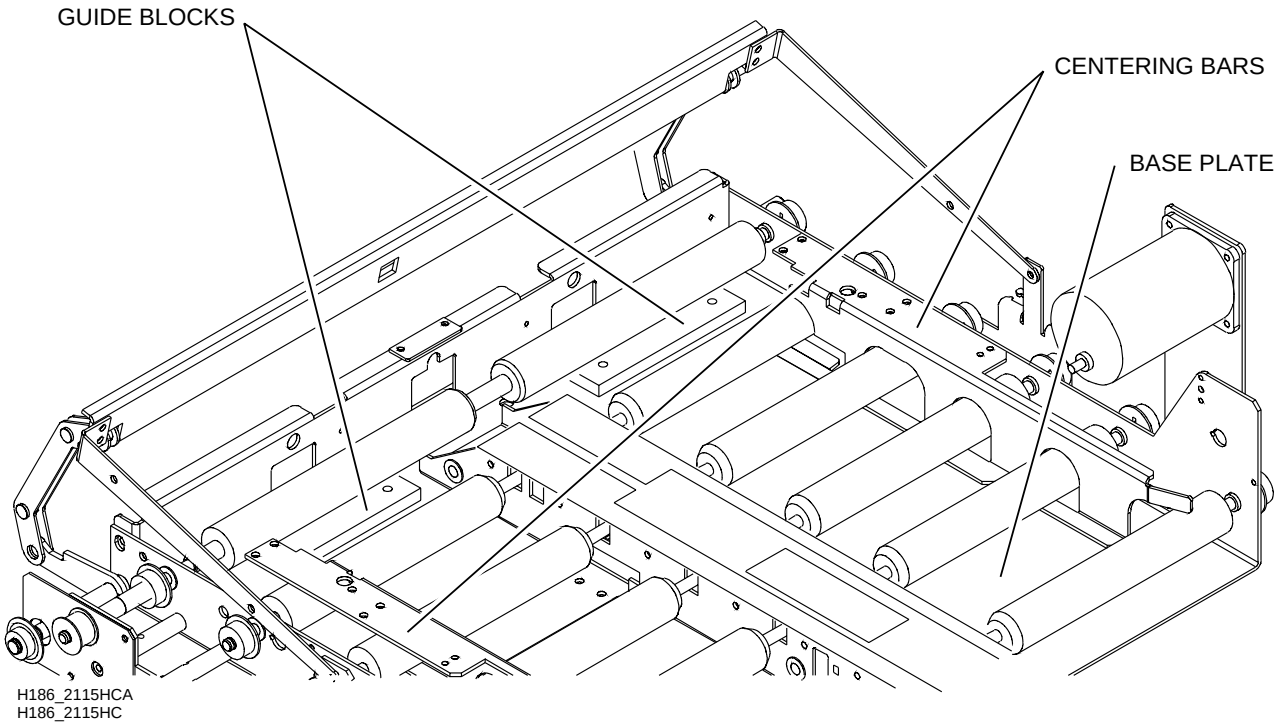
[2] Drain and clean the 3 WATER TRAPS.

[3] Check for correct operation of the DRAIN PISTONS on the WATER TRAPS.

[4] Check for correct pressure. See ADJUSTMENTS AND REPLACEMENTS, Publication No. 5E9999:

Section	Procedure
Adjustments	Pneumatic Pressure

CASSETTE



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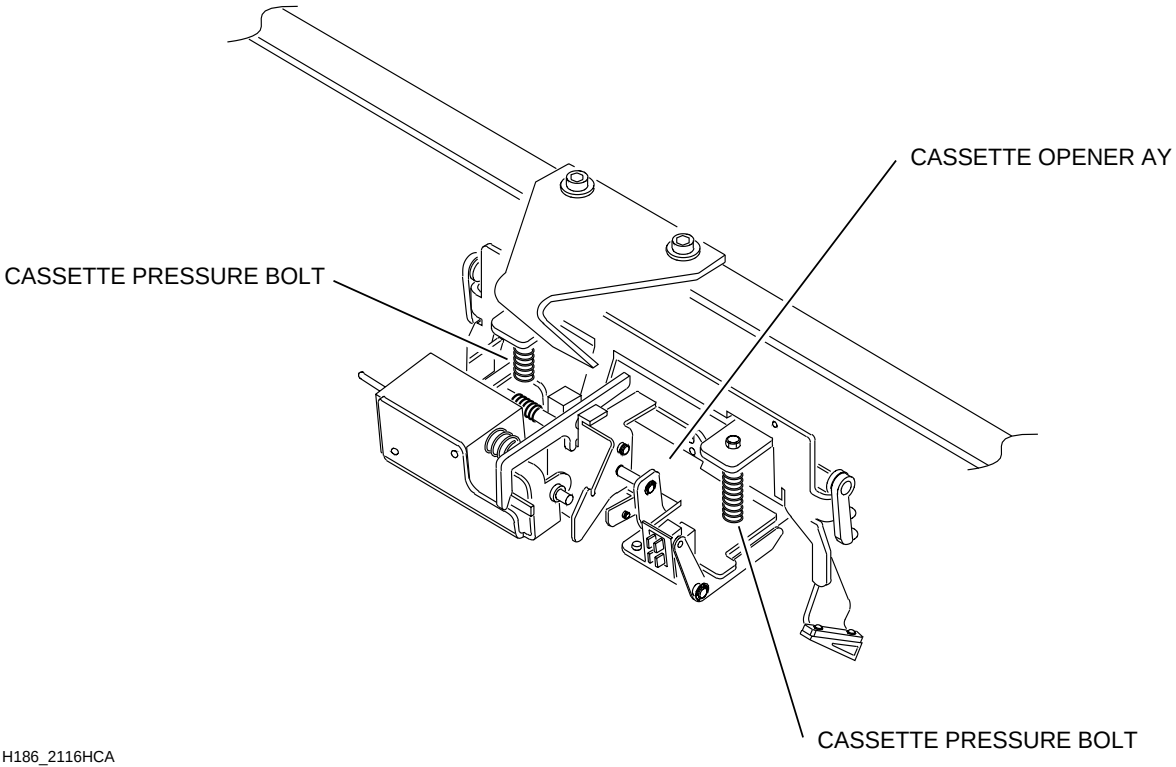
[1] Remove any dust and debris from the BASE PLATE.

[2] Apply a minimum amount of PLASTIC GREASE No. 2 with MOLY 1C8050 on the top areas of the GUIDE BLOCKS that have contact with the CENTERING BARS.



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[3] To lubricate the area where the PRESSURE BOLTS contact the CASSETTE OPENER AY, apply a minimum amount of SYNTHETIC GREASE 1C8041.

FILM POCKET

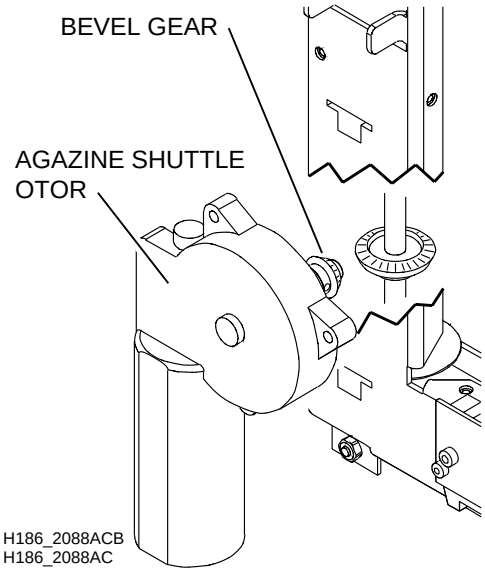
Warning
Dangerous Voltage

[1] De-energize the MULTILOADER.

[2] Check the FILM POCKET:

- CABLES and HOSES are routed correctly and that they cause no obstruction to the operation of the FILM POCKET
- MAGAZINE SUCKERS are installed correctly on the SUCKERBAR. If necessary, see the “MAGAZINE SUCKERS” procedure in the ADJUSTMENTS AND REPLACEMENTS, Publication No. 5E9999.
- SPRINGS have no damage or wear
- FOAM ROLLERS and O-RINGS are installed correctly on the FILM GUIDES
- SUCKER BAR ARM moves freely when rotated around the SHAFT

SHUTTLE MECHANISM



[1] Check for correct operation:

- all MAGAZINE DRAWER RAILS
- MAGAZINE ACCESS DOOR

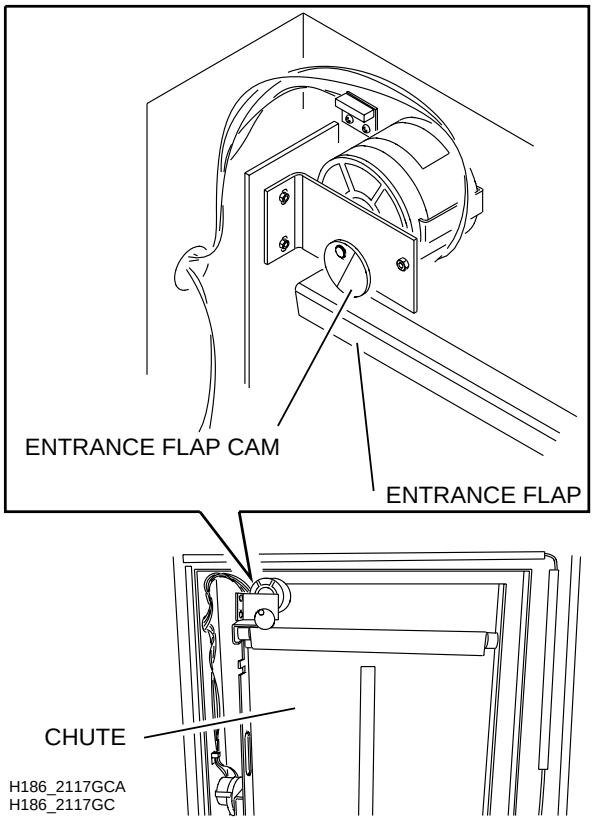
[2] Remove the MAGAZINE SHUTTLE MECHANISM MOTOR. See ADJUSTMENTS AND REPLACEMENTS, Publication No. 5E9999:

Section	Procedure
Replacements	MAGAZINE SHUTTLE MECHANISM MOTOR M20

[3] Apply a minimum amount of SYNTHETIC GREASE 1C8041 to the BEVEL GEAR.

[4] Install the MAGAZINE SHUTTLE MECHANISM MOTOR.

CHUTE



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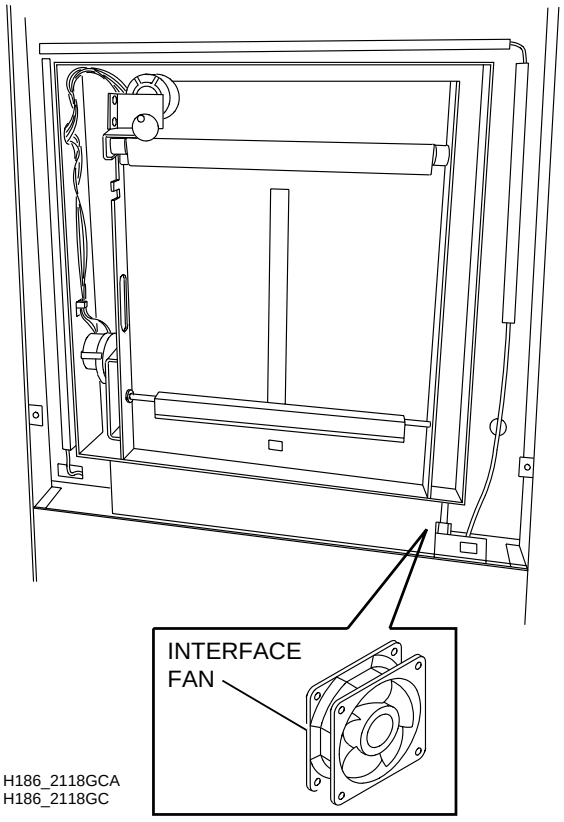
H186_2117GC

[1] Apply a minimum amount of PLASTIC GREASE No. 2 with MOLY 1C8050 to the area of the ENTRANCE FLAP CAM that contacts the ENTRANCE FLAP.

[2] Check that the wires are routed correctly to the area of the CHUTE.

INTERFACE



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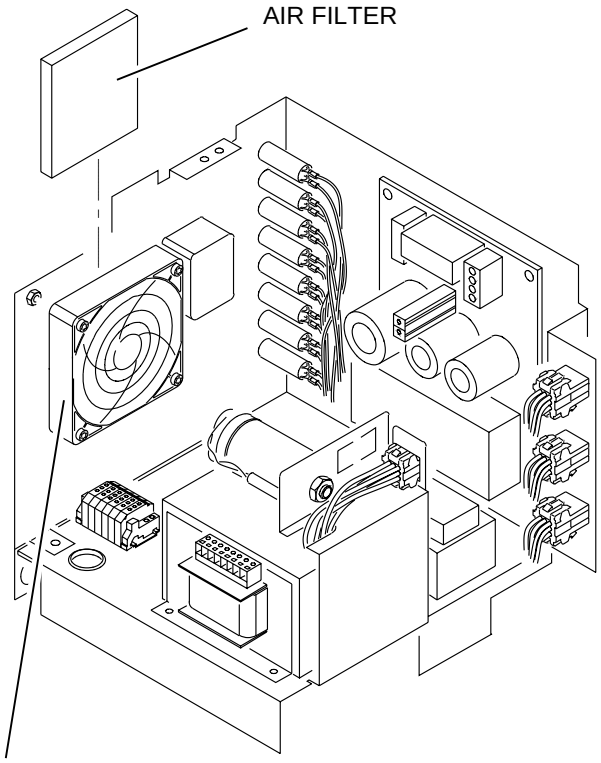
H186_2118GC

[1] Energize the MULTILOADER.

[2] Check the operation of the INTERFACE FAN.

POWER SUPPLY



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H186_2119GC

[1] Check the operation of the POWER SUPPLY FAN.

[2] Clean the AIR FILTER. If necessary, install a new AIR FILTER 9187856.

SUCKER BARS - Do this procedure only when Sucker Mark artifacts occur.

Caution

- For optimum operation of the MULTILOADER, only do this procedure when Sucker Mark artifacts occur.
- Touching the area of the SUCKERS that contacts the film, can cause contamination.
- Using *Kodak* INTENSIFYING SCREEN CLEANER AND ANTI STATIC SOLUTION can contaminate the SUCKERS.

[1] Determine which SUCKER BAR, MAGAZINE or CASSETTE, is causing the artifact.

[2] Carefully use an EMERY CLOTH grade 400 or similar material on the surface of the SUCKERS.

[3] Apply a minimum amount of nonperfumed talcum powder to the surface of the SUCKERS.

Section 3: Completing the PM

Checking the Negative Exhaust Flow

[1] Use an AIR METER TL-2431 to check that the negative static pressure in the EXHAUST DUCT is within specification. See the INSTALLATION INSTRUCTIONS, Publication No. 5E9998.

Final Checkout

Warning
Dangerous Voltage

[1] Energize the MULTILOADER.

Important
Do not use customer films.

[2] Operate the MULTILOADER in the “Continuous” cycle. Use test films.

[3] Check and listen to all functions for correct operation.

[4] Clean and install:

- TOP COVER
- BACK PANEL
- 2 SIDE PANELS

[5] Load the FILM MAGAZINES with customer film.

[6] Insert the MAGAZINES into the MULTILOADER.

[7] Operate the MULTILOADER. Use all MAGAZINES a minimum of 2 times.

[8] Check each film for possible artifacts.

[9] Leave the MULTILOADER set up for the customer to use.

Note
Remain at the site until the films are processed and the quality of the films meets customer requirements.

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